

AMENDMENT TO THE CLAIMS:

Claims 1-23 (canceled).

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24. (currently amended) An electrochemical cell, comprising:

a positive electrode folded in a zigzag configuration having folds and creases; and

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at least one bifold negative electrode having a first leg and a second leg, said first leg and said second leg disposed within a first and a second fold on the same side of the zigzag configuration of said electrode; and

an aqueous alkaline electrolyte,

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wherein said positive electrode comprises a nickel hydroxide material and[/or] said at least one negative electrode comprises a hydrogen storage alloy.

Claims 25, 26, 27, 28, 29, 30 (canceled)

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31. (previously presented) The electrochemical cell of claim 24, wherein said first leg and said second leg are disposed in adjacent folds on the same side of the zigzag configuration of said positive electrode.

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32. (previously presented) The electrochemical cell of claim 24, wherein said at least one bifold negative electrode is a plurality of bifold negative electrodes, each of said bifold negative electrodes having a first leg

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and a second leg.

33. (previously presented) The electrochemical cell of claim 32, wherein said plurality of bifold negative electrodes are disposed over alternating creases on each side of the zigzag configuration of said positive electrode.

Claims 34, 35, 36, 37 (canceled)

38. (currently amended) An electrochemical cell, comprising:

an electrode stack including a positive electrode disposed between a first and a second negative electrode, said electrode stack folded in a zigzag configuration with folds and creases; and

an aqueous alkaline electrolyte, wherein said positive electrode comprises a nickel hydroxide material and[/or] said negative electrodes comprise a hydrogen storage alloy.

Claim 39, 40, 41, 42, 43, 44 (canceled)

45. (previously presented) The electrochemical cell of claim 38, further comprising a hydrophobic material disposed in at least one of the folds of the zigzag configuration of said electrode stack.

46. (previously presented) The electrochemical cell of claim 38, wherein said electrode stack further comprises a first and a second hydrophobic layer, each of said hydrophobic layers disposed on an outer face of a corresponding negative electrode, said electrode stack folded to form said zigzag configuration.

47. (currently amended) An electrochemical cell,
comprising:

5 a negative electrode folded in a zigzag configuration
having folds and creases; [and]

at least one bifold positive electrode having a first
leg and a second leg, said first leg and said second leg
disposed within a first and a second fold on the same side
of the zigzag configuration of said electrode[,] and;

10 an aqueous alkaline electrolyte,

wherein said at least one positive electrode comprises a
nickel hydroxide material and[/or] said negative electrode
comprises a hydrogen storage alloy.

15 Claims 48, 49, 50 (canceled)

51. (previously presented) The electrochemical cell of
claim 47, wherein said at least one bifold positive
electrode is a plurality of bifold positive electrodes,
20 each of said bifold positive electrodes having a first leg
and a second leg.

52. (previously presented) The electrochemical cell of
claim 51, wherein said plurality of bifold positive
25 electrodes are disposed over alternating creases on each
side of the zigzag configuration of said negative
electrode.

53. (currently amended) An electrochemical cell,
30 comprising:

an electrode stack including a negative electrode
disposed between a first and a second positive electrode,

said electrode stack folded in a zigzag configuration with folds and creases; and

an aqueous alkaline electrolyte,
wherein said positive electrodes comprise a nickel
5 hydroxide material and[/or] said negative electrode
comprises a hydrogen storage alloy.

Claim 54, 55 (canceled)

10 56. (previously presented) The electrochemical cell of
claim 53, further comprising a hydrophobic material
disposed in at least one of the folds of the zigzag
configuration of said electrode stack.

15 57. (previously presented) The electrochemical cell of
claim 53, wherein said electrode stack further comprises a
first and a second hydrophobic layer, each of said
hydrophobic layers disposed on an outer face of a
corresponding positive electrode, said electrode stack
20 folded to form said zigzag configuration.

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